



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Monday, August 24, 2015

Issued: 0800 CT

**Day 1 Hazards: None**

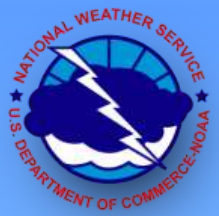
National Weather Service

*Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX*



**Prepared by: Jonathan Guseman  
817-978-1100 x 147**

# Key Points



## Monday - Friday

- Isolated thunderstorms. No Significant Weather Impacts.

## Tropical Outlook

- Danny has weakened to a tropical depression while approaching the Leeward Islands. Further decrease in strength expected today. No impacts to FEMA 6.
- Shower and thunderstorm activity associated with a low pressure system located about 1250 miles east of the southern Lesser Antilles has continued to become better organized since yesterday. Satellite data also indicates that the low's circulation is gradually becoming better defined. If current trends continue, a tropical depression is likely to form later today or tonight while the low moves westward at around 20 mph.
- Formation chance through 48 hours...high...90 percent
- Formation chance through 5 days...high...90 percent
- A tropical wave located near the Cape Verde Islands is accompanied by disorganized showers and thunderstorms. Environmental conditions are expected to be only marginally conducive across the tropical Atlantic Ocean this week, and development of this system is unlikely while it moves generally westward at 15 to 20 mph. Locally heavy rainfall and gusty winds are possible across portions of the Cape Verde Islands today.
- Formation chance through 48 hours...low...near 10 percent
- Formation chance through 5 days...low...10 percent

# \*FEMA Region 6 Threat Matrix

Aug 24, 2015 - Aug 28, 2015

DAY/ THREAT	MON	TUE	WED	THU	FRI
Severe Weather					
Heavy Rain / Flash Flooding					
Heat					
Tropical					
Fire					

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*We continue to welcome feedback on our new color scale (details in the next slide). Please send comments to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov).*



# The criteria for the color codes in our briefings is below, please provide any feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov).



Weather "Threat" Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

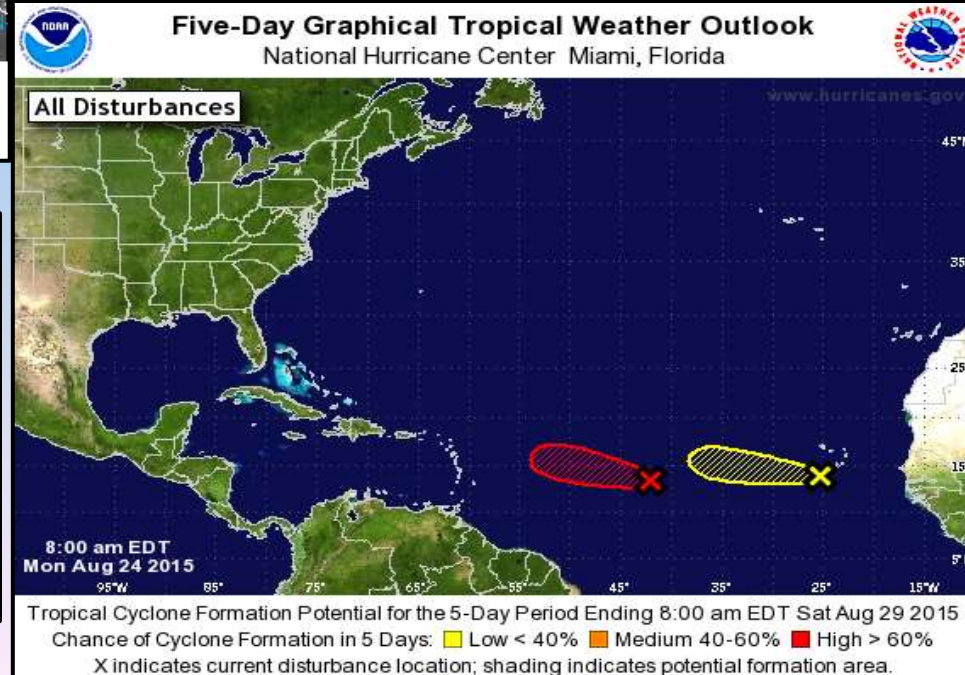


# Atlantic/Gulf Tropical Weather Outlook



**Tropical Depression Danny is located about 50 miles east of the Leeward Islands and moving west at 10 mph. More information regarding Danny is on the next slide.**

1. Shower and thunderstorm activity associated with a low pressure system located about 1250 miles east of the southern Lesser Antilles has continued to become better organized since yesterday. Satellite data also indicates that the low's circulation is gradually becoming better defined. If current trends continue, a tropical depression is likely to form later today or tonight while the low moves westward at around 20 mph.
  - Formation chance through 48 hours...high...90 percent
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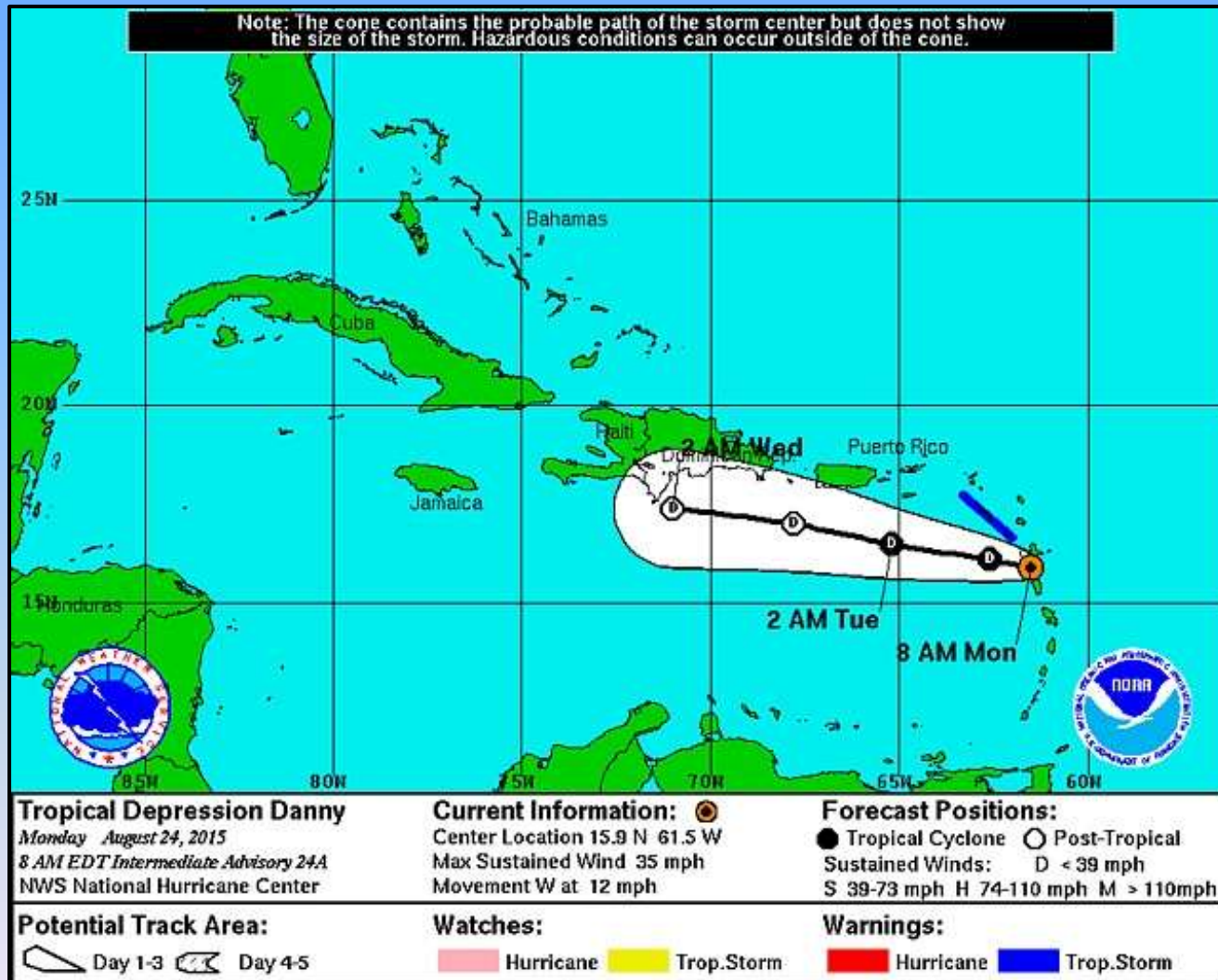


2. A tropical wave located near the Cape Verde Islands is accompanied by disorganized showers and thunderstorms. Environmental conditions are expected to be only marginally conducive across the tropical Atlantic Ocean this week, and development of this system is unlikely while it moves generally westward at 15 to 20 mph. Locally heavy rainfall and gusty winds are possible across portions of the Cape Verde Islands today.

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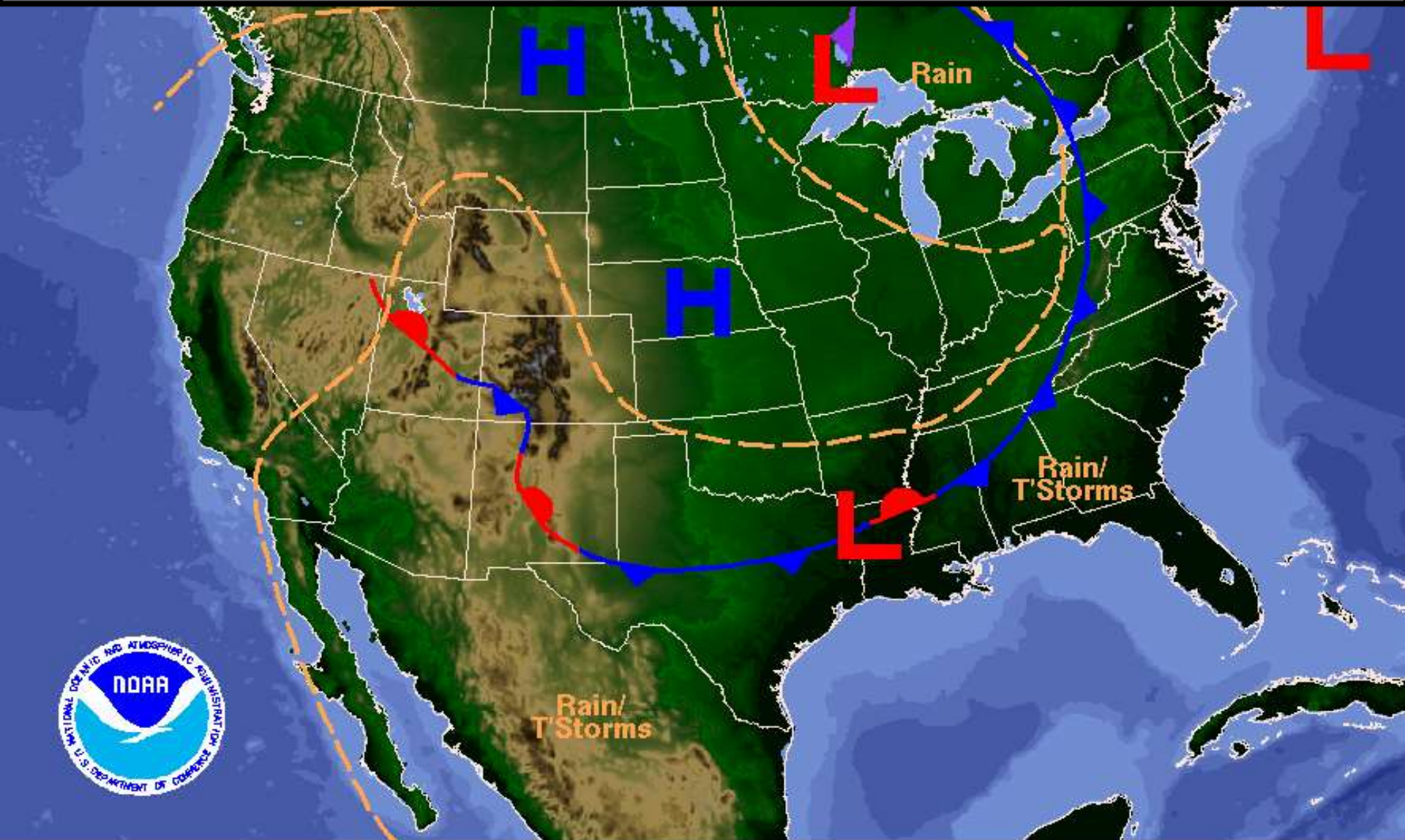
# Tropical Depression Danny

- Danny has weakened to a tropical depression
- Further weakening is expected over the next few days
- No impacts expected to FEMA 6





# Today's Weather



Weather Forecast for Mon, Aug 24, 2015, issued 4:15 AM EDT  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

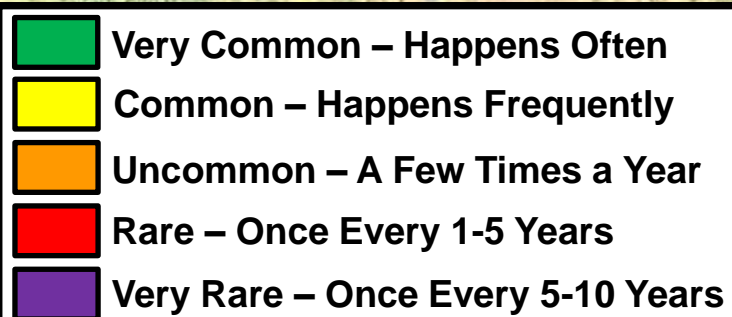


# Day 1 Weather Hazards

**Valid: 0800 Mon - 0800 Tue**



**No Significant  
Weather Impacts  
Expected**



**\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.**





# Monday, August 24, 2015

## Severe Thunderstorm Potential



### Overall Threat Potential



### Probability of Tornado within 25 miles of a point



### Probability of Damaging Hail within 25 miles of a point



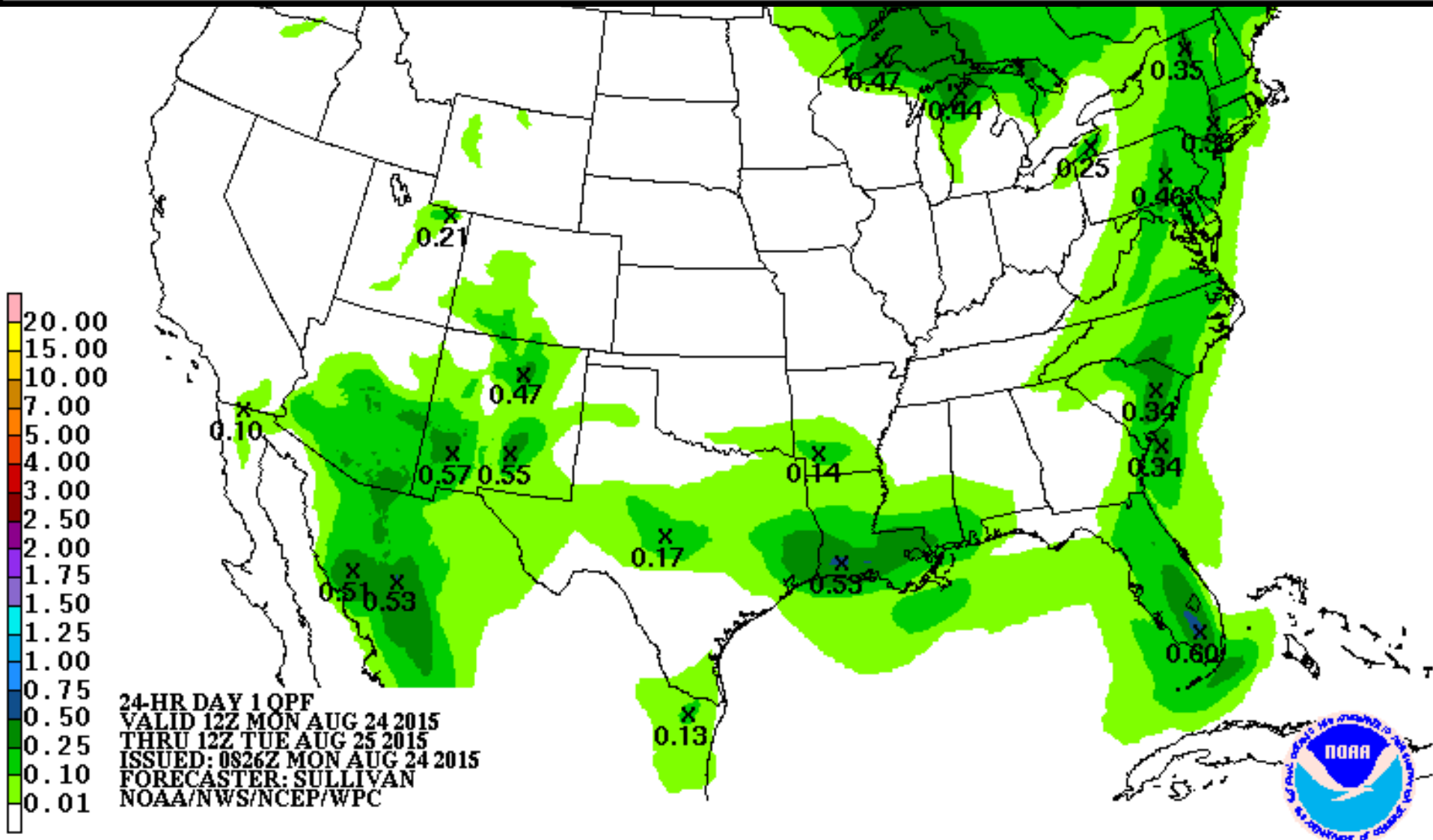
### Probability of Damaging Winds within 25 miles of a point



Building a Weather-Ready Nation

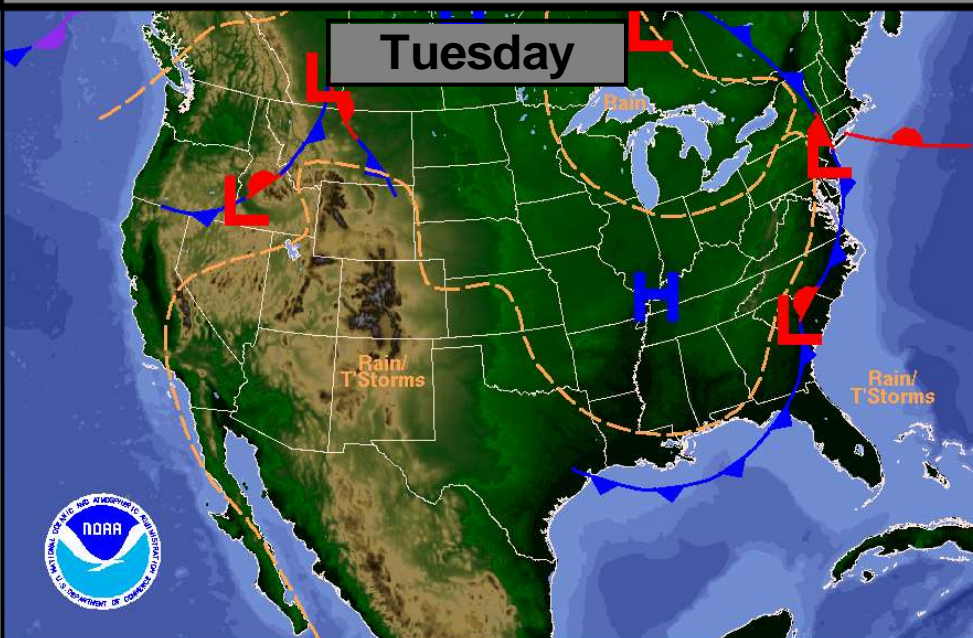
# Today's Precipitation

## Mon AM - Tue AM

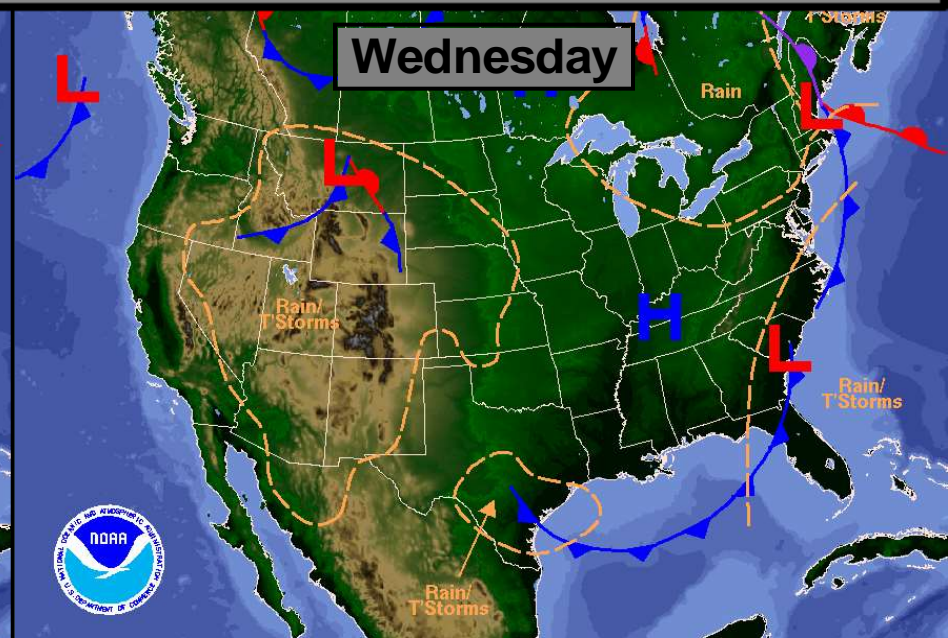




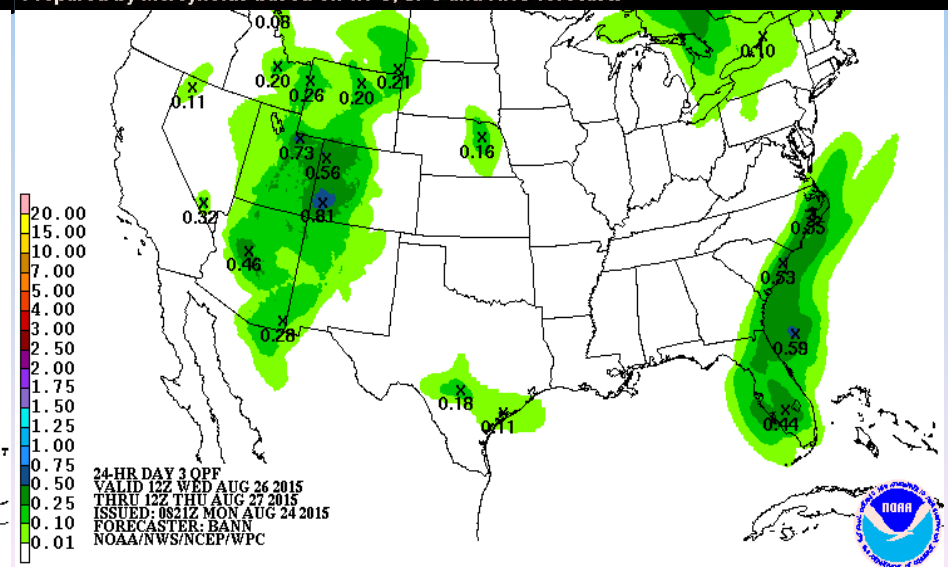
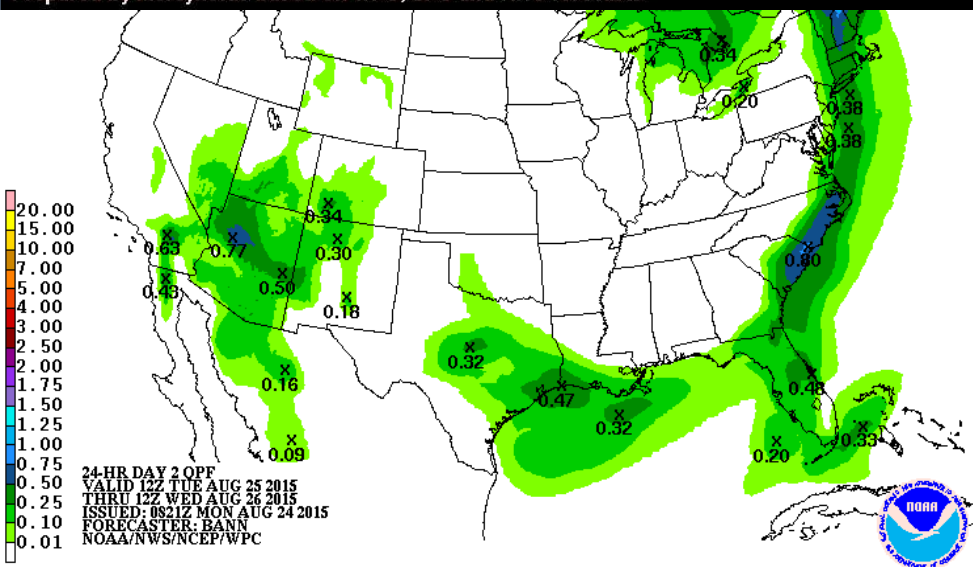
# Day 2-3 Weather Maps/Precipitation



Weather Forecast for Tue, Aug 25, 2015, issued 4:20 AM EDT Mon, Aug 24, 2015  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McReynolds based on WPC, SPC and NHC forecasts



Weather Forecast for Wed, Aug 26, 2015, issued 4:36 AM EDT Mon, Aug 24, 2015  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McReynolds based on WPC, SPC and NHC forecasts





# Day 2-3 Weather Hazards

Valid: 0800 Tue - 0800 Thu



**No Significant  
Weather Impacts  
Expected**



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# Day 4-5 Weather Hazards

*Valid: 0800 Thu - 0800 Sat*



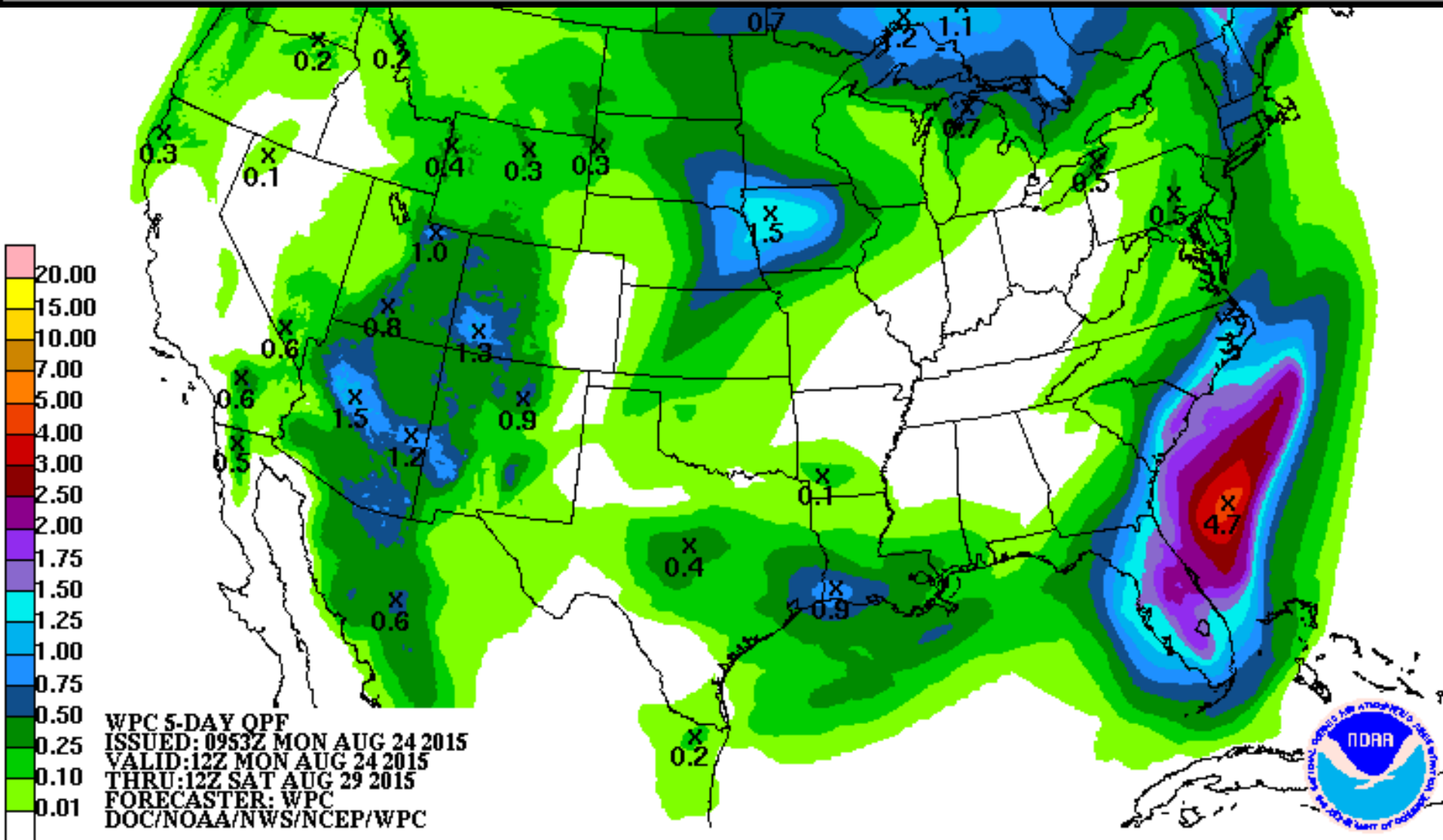
**No Significant  
Weather Impacts  
Expected**



*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.*

# 5-Day Precipitation

## Mon AM - Sat AM

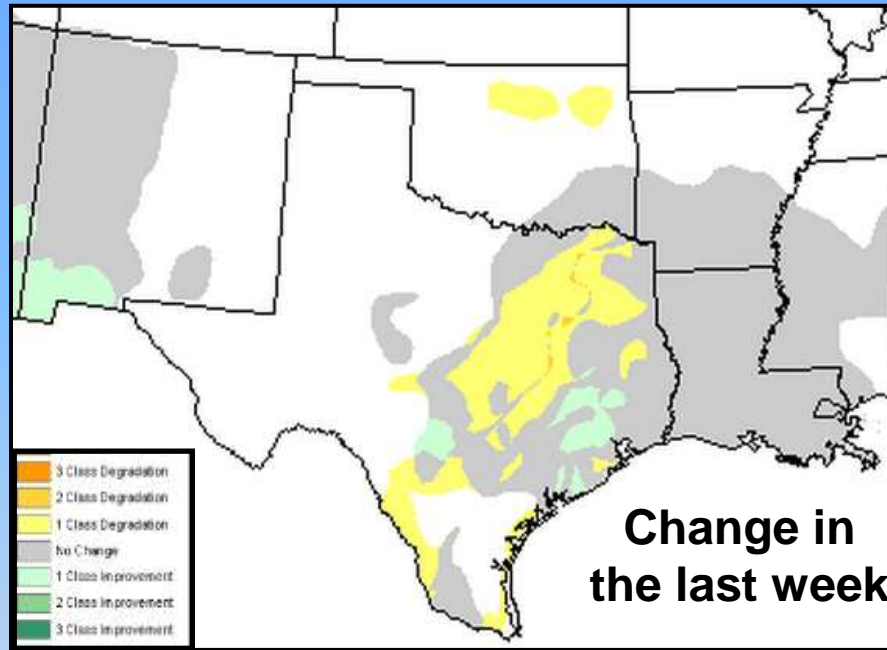
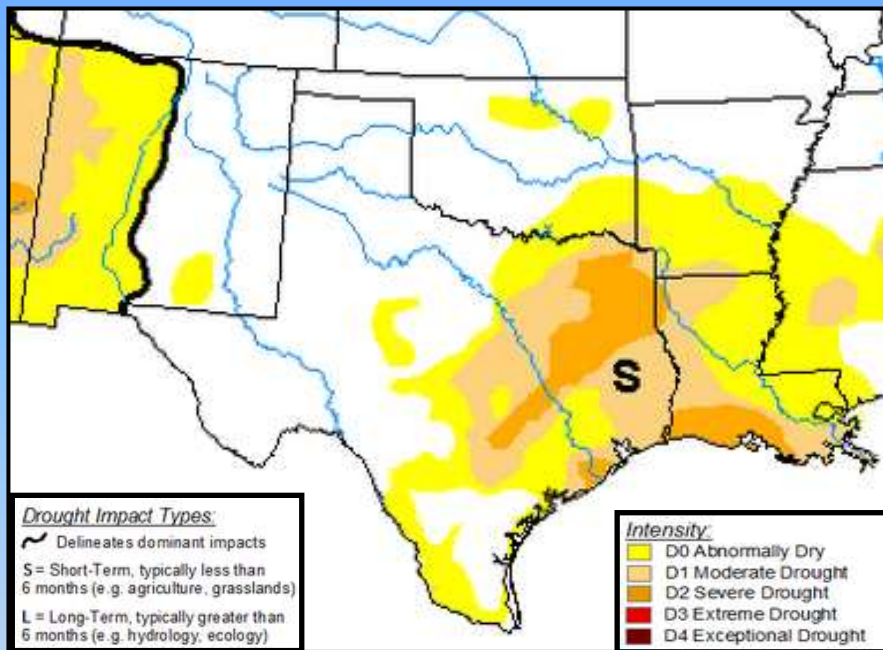






# Drought Monitor Released Aug 20, 2015

Data valid as of 7am CDT, Tuesday Aug 18, 2015



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	0.00%	15.35%
Texas	0.00%	0.00%	0.00%	15.16%
New Mexico	0.00%	0.00%	0.00%	7.39%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%

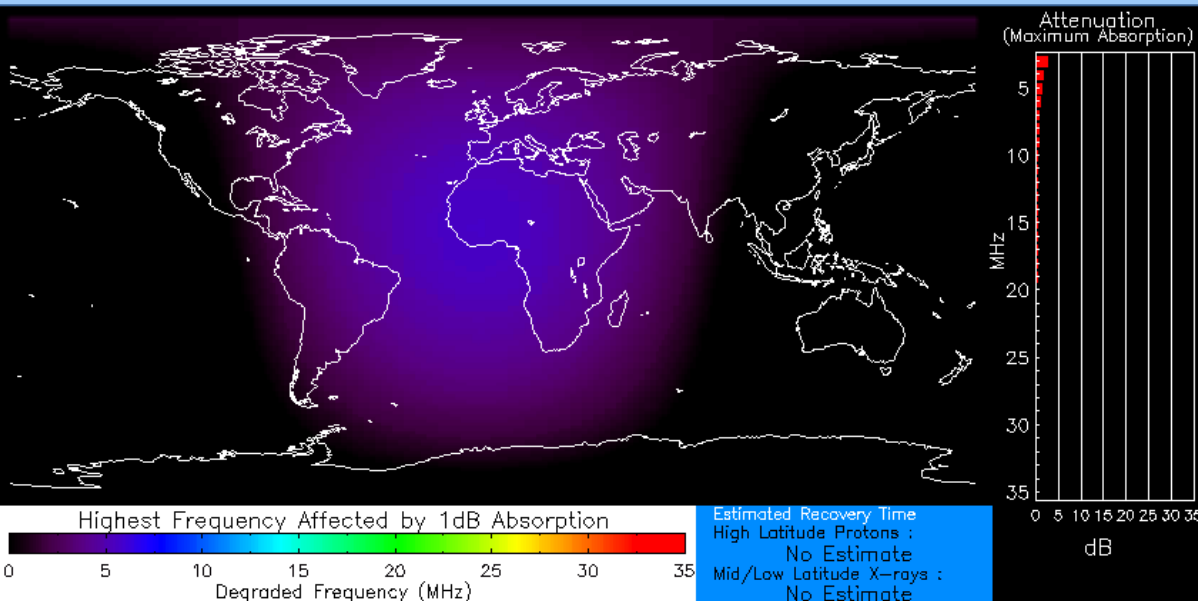
# Space Weather 3-Day Forecast



	Monday	Tuesday	Wednesday
Geomagnetic Storms	Minor Storm (G1) (Max Kp = 4)	Active (Max Kp = 4)	Active (Max Kp = 3)
Solar Radiation Storm (S1-S5)	5%	10%	10%
Radio Blackout (R1-R2)	55%	55%	55%
Radio Blackout (R3-R5)	10%	10%	10%

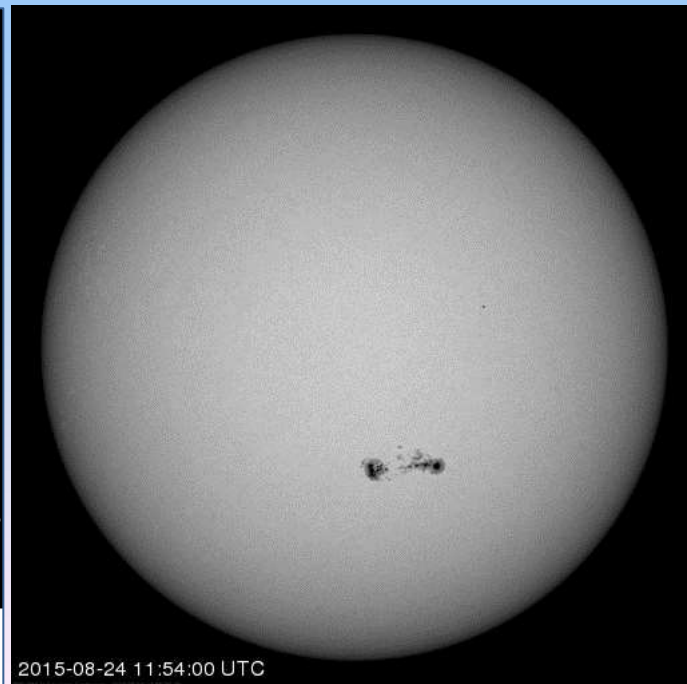
[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



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Product Valid At : 2015-08-24 12:21 UTC

Normal Proton Background  
NOAA/SWPC Boulder, CO USA





Information provided by:



**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

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